## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

# **Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	11/08/2018 11/08/2018	Bob Duffey

LM Start		Rating **	Α	Issue No.		9	
LM End		Issue Type +	Ма	Location *			
Earthen Levee			GPS La	atitud	e/Longitude		
Category				Start		End	
Item	Operations & Maintenance				0		0
пеш	Manuals				0		0
DWR ID DWR_NA0020_01_s _ 2013_9							
Comment Code							
		Inspecto	or Comm	nent			
The LMA has the O&M manuals.							

No Photos

LM Start		Rating **	Α	Issue No.		10		
LM End		Issue Type +	Ma	Location *				
Category	Earthen L	evee		GPS La	atituc	le/Longitude		
Category			Start		End			
Emergency Supplies &				0		(		
пеш	Equipment Equipment				0		(	
DWR ID DWR_NA0020_01_s _ 2013_10								
Comment Code								

No Photos

Inspector Comment
The LMA has adequate flood fight supplies and equipment.

LM Start		Rating **	Α	Issue No.		11		
LM End		Issue Type +	Ма	Location *				
Category Earthen Levee			GPS La	atituc	de/Longitude			
			Start		End			
Item	Flood Preparedness & Training				0		0	
item					0		0	
DWR ID	DWR ID DWR_NA0020_01_s _ 2013_11							
	Comment Code							
		Inspecto	or Comm	ent				
The LMA completed flood fight training in 2018.								

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR · Crown	II · I Inaccentable	AMM · Accentable but Monitor & Maintain	En : Enforcement

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

## **Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	11/08/2018 11/08/2018	Bob Duffey

LM Start	0.51	Rating **	М	Issue No.	25	
LM End	0.83	Issue Type +	Ma	Location *	LS	
Category Earthen Levee			GPS Latitude/Longitude			
Category	Category			Start		End
Item	Trim / Thin Trees			39.1713	92 °	39.171317°
lem			-121.7504	78 °	-121.744545 °	
DWR ID DWR_ST0020_01_f _ 2016_25						
Comment Code						

T2: Thin trees to allow visibility of the ground and room to flood fight.

Inspector Comment

Olleanders are partially blocking visibility and access.

Photo 1 of 2: FA\_2018\_ST0020\_213\_4\_20180905\_00004.jpg

No Photos



View the erosion along the concrete ditch.

Rating \*\* Issue No. 0.62 U LM Start 0.65 Issue Type + Location \* WS LM End Earthen Levee GPS Latitude/Longitude Category Start End Erosion / Bank Caving 39.171292° 39.171232° Item -121.748868° -121.748175° DWR\_NA0020\_01\_s \_ 2012\_4 DWR ID Comment Code

E2 : Schedule repair of erosion site prior to the next inspection.

### Inspector Comment

Repair the erosion along the concrete ditch.

LM Start	0.62	Rating **	U	Issue No.	4 (cont)
I M End	0.65	Issue Type +	Ma	Location *	WS

Photo 2 of 2: FA\_2018\_ST0020\_213\_4\_20180905\_00005.jpg



Another view the erosion along the concrete ditch.

\* Location

LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown

\*\* Rating

A : Acceptable N : Not Inspected/Rated M: Minimally Acceptable CR : Corrected U: Unacceptable A/W : Acceptable but Monitor & Maintain

\*\* Rating

A : Not Applicable M: Not Inspected/Rated M: Minimally Acceptable D: C: Corrected Ob: Design & System Obsolescence En: Enforcement

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

# **Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	11/08/2018 11/08/2018	Bob Duffey

LM Start	1.11	Rating **	М	Issue No.		18	
LM End	1.28	Issue Type +	Ma	Location *		LS	
Earthen Levee				GPS Latitude/Longitude			
Category				Start		End	
Item	Trim / Thi	n Trees		39.1712	83°	39.171243°	
пеш	em				15°	-121.736312°	
DWR ID DWR_ST0020_01_f _ 2016_18							
Comment Code							
T1: Trim t	rees to at l	east five feet	above g	round level.			
Inspector Comment							



View of the trees blocking visibility.

LM Start	1.33	Rating **	М	Issue No.		22				
LM End	1.33	Issue Type +	Ma	Location *	WS					
Category	Catagory Earthen Levee							GPS La	atitud	e/Longitude
Calegory				Start		End				
Item	Erosion /	39.1712	18°	39.171218°						
пеш				-121.7352	58°	-121.735258°				
DWR ID DWR_ST0020_01_f _ 2016_22										

## Comment Code

E1: Note and monitor erosion site.

### Inspector Comment

Photo 1 of 1 : FA_2018_ST0020_213_22_20180	0905_00014.jpg
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View of the erosion along the bank.

LM Start	1.36	Rating **	М	Issue No.		24	
LM End	1.36	Issue Type +	Ma	Location *		WS	
Earthen Levee			GPS Latitude/Longitude				
Calegory	Category			Start		End	
Itom	Item Erosion / Bank Caving			39.1712	20°	39.171220°	
item				-121.7347	30°	-121.734730°	
DWR ID	DWR_ST0	020_01_f _ 2010	6_24				
Comment Code							

### E1: Note and monitor erosion site.

### Inspector Comment

### Photo 1 of 1: FA\_2018\_ST0020\_213\_24\_20180905\_00015.jpg



View of the erosion along the bank.

*	Location

LS: Land Side N/A: Not Applicable

WS: Water Side

: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated

C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

En: Enforcement

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

# **Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	11/08/2018 11/08/2018	Bob Duffey

LM Start	1.36	Rating **	Α	Issue No.		8	
LM End	1.60	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS Latitude/Longitude			
Category			Start		End		
Itom	ltem Vegetation			39.1711	88°	39.171110°	
item				-121.734652 °		-121.730225 °	
DWR ID DWR_ST0020_01_f _ 2017_8							
		Comn	nent Cod	de			
V1 : Control annual grass and weeds on the levee slopes and easements.							
Inspector Comment							
The vegetation was mowed along both slopes.							

Photo 1 of 1 : FA\_2018\_ST0020\_213\_8\_20181113\_00023.jpg

View of no vegetation along both slopes.

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

# **Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	11/08/2018 11/08/2018	Bob Duffey

LM Start	0.29	Rating **	М	Issue No.	31		
LM End	0.29	Issue Type +	Ma	Location *	WS		
Earthen Levee				GPS Latitude/Longitude			
Category				Start		End	
Itom	Trim / Thin Trees			39.171008°		39.171008°	
Item				-121.7210	25°	-121.721025°	
DWR ID DWR_ST0020_02_f _ 2016_31							
Comment Code							

T1 : Trim trees to at least five feet above ground level.

Inspector Comment



View of the overgrown trees blocking visibility and access.

LM Start	0.54	Rating **	Α	Issue No.		22		
LM End	0.91	Issue Type +	Ма	Location *		WS		
Category	Earthen Levee				GPS Latitude/Longitude			
Calegory			Start		End			
Item	Vegetation			39.1710	12°	39.170918°		
пеш				-121.7164	50°	-121.709482 °		
DWR ID	DWR_ST00	020_02_f _ 2018	3_22			·		

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

### Inspector Comment

The vegetation was removed from the waterside slope.

### Photo 1 of 1 : FA\_2018\_ST0020\_214\_22\_20181113\_00047.jpg



View of no vegetation on the waterside slope.

Photo 1 of 2: FA\_2018\_ST0020\_214\_19\_20181113\_00046.jpg

LM Start	0.54	Rating **	Α	Issue No.		19	
LM End	1.32	Issue Type +	Ma	Location *		LS	
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Vegetatio	n		39.1710	32°	39.170853	0
пеш				-121.7163	10°	-121.701775	0
DWR ID	DWR_ST0	020_02_f _ 2017	7_19				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

### Inspector Comment

The vegetation was removed from the landside slope.



View of no vegetation on landside slopes.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

## **Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	11/08/2018 11/08/2018	Bob Duffey

GPS Latitude/Longitude								
d								
70853°								
)1775°								
DWR ID DWR_ST0020_02_f _ 2017_19								
V1 : Control annual grass and weeds on the levee slopes and easements.								
Inspector Comment								
The vegetation was removed from the landside slope.								
DWR ID DWR_ST0020_02_f _ 2017_19  Comment Code  V1 : Control annual grass and weeds on the levee slopes and easements.  Inspector Comment								



View of the vegetation along the landside slope.

LM Start	0.95	Rating **	M	Issue No.		20	
LM End	1.32	Issue Type +	Ma	Location *		WS	
Cotogon Earthen Levee				GPS Latitude/Longitude			
Category			Start		End		
ltom	Vegetation			39.1709	27°	39.170853°	
Item				-121.7086	75°	-121.701775°	
DWR ID DWR_ST0020_02_f _ 2017_20							
Comment Code							

 $\ensuremath{\mathsf{V2}}$  : Remove the wild growth other than native grasses from the levee slopes.

### Inspector Comment

Remove the vegetation from the waterside slope.

LM Start	0.95	Rating **	М	Issue No.	20 (cont)
LM End	1.32	Issue Type +	Ma	Location *	WS

### Photo 1 of 2: FA\_2018\_ST0020\_214\_20\_20180905\_00010.jpg



View of the native vegetation on the waterside slope.

Photo 2 of 2: FA\_2018\_ST0020\_214\_20\_20180905\_00011.jpg



View of the native vegetation on the waterside slope.

\* Location
LS: Land Side N/A: Not Applicable
WS: Water Side
CR: Crown

\*\* Rating
A: Acceptable
N: Not Inspected/Rated
M: Minimally Acceptable
C: Corrected
U: Unacceptable
AW: Acceptable
AW: Acceptable but Monitor & Maintain

\*\* Rating
A: Issue Type
Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

# **Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	11/08/2018 11/08/2018	Bob Duffey

LM Start	1.54	Rating **	М	Issue No.		4		
LM End	2.01	Issue Type +	Ma	Location *		WS		
Category	Earthen Levee			GPS Latitude/Longitude				
Calegory				Start		End		
Item	Erosion / Bank Caving			39.1708	° 00	39.170732°		
пеш			-121.698105 °		-121.689082 °			
DWR ID DWR_NA0020_02_s _ 2012_4								
Comment Code								
E1 : Note and monitor erosion site.								
Inspector Comment								
Monitor the erosion along the waterside slope.								

LM Start	1.54	Rating **	М	Issue No.	4 (cont)
LM End	M End 2.01 Issue Type +		Ma	Location *	WS



View of the erosion along the waterside slope.

Photo 2 of 2: FA\_2018\_ST0020\_214\_4\_20180905\_00004.jpg



View of the erosion along the waterside slope.

LM Start	1.68	Rating **	М	Issue No.		18	
LM End	1.68	Issue Type +	Ма	Location *		WS	
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End	
ltem Encroachments				39.170810°		39.170810°	
item		-121.695342 °		-121.695342 °			
DWR ID	DWR_ST0020_02_f _ 2018_18						
Comment Code							
DE : Debris							
	Inspector Comment						
Remove the debris from the waterside berm.							



View of the debris along the waterside berm.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement